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# NEWS LETTER



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U. S. Department of Agriculture

MANNING SEED COMPANY

DEXTER HORTON BUILDING  
SEATTLE 4, WASHINGTON, U.S.A.

Bulletin No. 10

January 6, 1953

## CALIFORNIA FOREST TREE SEED

The Manning Seed Company has now extended its seed collection zones to include the hardy forests of Northern California. This was done to enable our Company to supply tree seed from the entire range of climatic conditions found on the West Coast of North America. Thus, we are able to supply seeds collected from zones which are both higher and drier than those in the Pacific Northwest.

To insure the integrity of every seed source, this seed is collected and carefully processed under the direct supervision of technically trained foresters. Each lot of seed is positively identified with the area from which it is collected so that your seed orders can be accurately duplicated in future years.

In 1952 California's seed collections were limited to a certain few regions and elevations. In 1953, however, we hope it will be possible for us to make collections in additional regions to meet the requirements of the various planting programs inaugurated by our customers. It is, therefore, necessary that orders be placed well in advance of the August cone collection season in order to insure fall delivery.

Seeds of the following species have been processed and are now ready for shipment:

Abies magnifica	- Red Fir
Pinus Jeffreyi	- Jeffrey Pine
Pinus lambertiana	- Sugar Pine
Pinus monticola	- Western White Pine
Pinus ponderosa	- Western Yellow Pine
Sequoia sempervirens-	Redwood

If you have a planned reforestation program and require a specific amount of seed each year, it will be to your advantage to investigate our Contract Buyer Agreement which insures the proper seed for your planting site on an annual basis.

When making inquiry, please indicate quantity as well as the desired region, zone and elevation.

MANNING SEED COMPANY

COLLECTORS OF BETTER FOREST TREE SEED FROM THE WEST COAST OF  
ALASKA, CANADA, WASHINGTON, OREGON AND CALIFORNIA  
- SINCE 1871 -







# CALIFORNIA Seed Collection Regions

In order to permanently identify the regions from which MANINGSEED is collected, and thus enable customers to easily reorder the best tree seed for their needs, we use lot numbers to indicate region, zone, and elevation -- for example:

Lot No. N3-0.5 (Orick)

The first letter (N) indicates the region, and the first number (3) indicates the zone. The two numbers following (0.5) indicate the elevation in thousands of feet -- 0.5 = zero to 500 feet.

The predominate species growing on the east and west slopes of the Sierra Nevada Mountains in Northern California are Ponderosa pine, Jeffrey pine and Sugar pine. Mixed with these pine species are Douglas fir, Red fir and White fir.

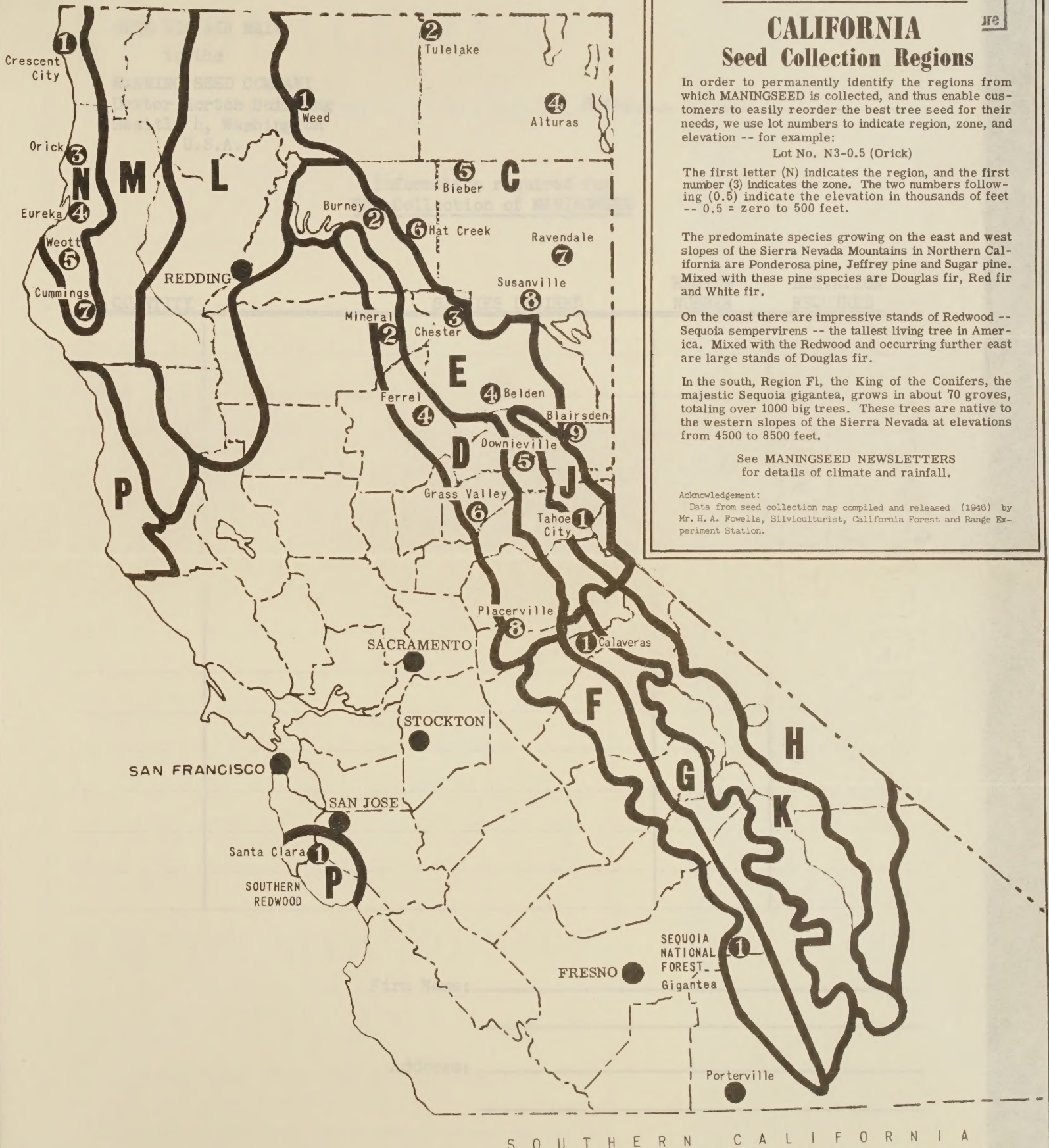
On the coast there are impressive stands of Redwood -- *Sequoia sempervirens* -- the tallest living tree in America. Mixed with the Redwood and occurring further east are large stands of Douglas fir.

In the south, Region F1, the King of the Conifers, the majestic *Sequoia gigantea*, grows in about 70 groves, totaling over 1000 big trees. These trees are native to the western slopes of the Sierra Nevada at elevations from 4500 to 8500 feet.

See MANINGSEED NEWSLETTERS for details of climate and rainfall.

**Acknowledgement:**

Data from seed collection map compiled and released (1946) by Mr. H. A. Fowells, Silviculturist, California Forest and Range Experiment Station.







to the

Date: \_\_\_\_\_

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Firm Name: \_\_\_\_\_

Address: \_\_\_\_\_







# ANNOUNCEMENT

## For All Forestry Seed Purchasers

AS Leading distributors of forest tree seed, we are pleased to announce a new and more scientific program for the collection of coniferous tree seed.

The Manning Seed Company is instigating this program to more fully insure the success of current and future reforestation programs. The success of any large-scale artificial reforestation project is partially determined by the quality of the tree seed used. In past years it has been found that the high mortality in many plantations has been due partially, but not infrequently, to the failure of planters to designate specifically the seed origin required.

It is well known that the quality of tree seed is determined by many factors which include the following basic considerations: origin, genuineness, purity and viability. It is our intention to make these factors of seed quality available to you. Foresters who want better forests should write our Chief Forester regarding their seed requirements. Details of our Seed

Collection Program will be supplied upon request.

Our Collection Program is arranged to meet the needs of three types of wholesale buyers of forest tree seed:

1. **Contract Buyers**—for whom we collect seed each year from specific areas for a planned reforestation program.
2. **Seasonal Buyers**—for whom we collect seed from specific sources in pre-determined amounts. Prices are estimated in advance, subject to crop conditions. Orders must be placed with us prior to cone harvest in August.
3. **Specific Origin Seed**—for general use by nurserymen or seed dealers. Available on a year around basis.

If you purchase seed in wholesale quantities, you will be interested in what our Scientific Collection Program can do for you. Write or call today.

## MANNING SEED COMPANY

840 Dexter Horton Building  
Seattle 4, Washington  
U. S. A.

John G. Cameron  
Chief Forester

F. E. Manning  
President

BETTER TREE SEED—FOR BETTER FORESTS  
— SINCE 1871 —

DATE

TIME

ELEVATION

REMARKS